E&MJ METAL AND MINERAL MARKETS

Weekly Market Information Issued by the Publishers of Engineering and Mining Journal

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Vol. 21 NEW YORK, APRIL 20, 1950 No. 16

Zinc Institute Elects

Edward H. Snyder was reelected president of the American Zinc Institute at the annual meeting of the Board of Directors held in St. Louis, April 11. Mr. Snyder is president of Combined Metals Reduction Co.

Clarence Glass, of Anaconda Sales Co., George Mixter of U. S. Smelting Refining & Mining Co., and Raymond F. Orr, of Athletic Mining & Smelting Co., were reelected vice presidents.

Erle V. Daveler, of the American Zinc Lead & Smelting Co., was reelected treasurer, and Ernest V. Gent continues as executive vice president and secretary.

Directors elected for the term that ends in 1953 were: K. C. Brownell; F. J. Childress; E. R. Dondorf; R. E. Dwyer; Benno Elkan; Andrew Fletcher; Elmer Isern; G. H. LeFevre; B. N. Zimmer; and E. H. Snyder.

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Aluminum Wrought Products

Shipments of aluminum wrought products in February amounted to 111,293,000 lb., which compares with 100,727,000 lb. in January and 110,034,000 lb. in February a year ago, the Bureau of the Census reports.

Shipments in the Jan.-Feb. period of 1950 totaled 212,020,000 lb., against 229,319,000 lb. in the same period a year ago.

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Steel Rate at 100%

The steel industry will pour more metal this week than ever before, the American Iron and Steel Institute reports. With operations at 100% of capacity, the furnaces will produce 1,906,300 tons of steel. The previous high was 1,880,400 tons in the week of March 14, 1949.

Copper Price Advanced to 19½c., Valley—Zinc Raised to 11c.—Lead Sales Improve

Copper was advanced 1c per pound during the last week, the first revision since early last November. Demand for copper has been unusually brisk ever since last October. Domestic stocks of refined copper in producers' hands at the end of March were reduced to the low level of 60,276 tons, against 116,027 tons at the beginning of the year. Zinc again was raised in price, this time to 11c., East St. Louis. It is hoped that the rise will stimulate production at the mines. Lead inquiry improved appreciably. Tin for immediate delivery was offered sparingly in the open market, owing to reduced imports, a temporary situation. With steel operations at 100% of capacity, the demand for manganese ore has not slackened and prices are firm. Chrome ore has been a little more active. Silver was unchanged.

Copper

Anaconda raised its price of copper on April 18 a full cent a pound. Though a higher price had been talked about for several months, the news nevertheless came as a surprise. Before the domestic market became firmly established at 19½c. Valley, business was transacted in several directions at the old level. Our weighted average for the domestic market on April 18 therefore was slightly below the 19½c. basis. In some instances producers were not quoting and intend to remain out of the market until they open their books on June business. The shrinkage in stocks of refined copper in the hands of producers, coupled with growing tension over the status of the import duty on copper, were factors in stimulating buying and tightening up the price structure.

Sales to fabricators of April shipment copper now total around 95,000 tons, with May at 54,000 tons.

Export business was fair. The foreign market was unchanged until yesterday, when it moved up to 19½c., f.a.s. New York equivalent.

Lead

Sales of both domestic and foreign lead in this market improved last week and the undertone toward the close yesterday was viewed as steady to firm. Sales of the domestic division for the seven-day period totaled 12,785 tons, which compares with 8,777 tons in the preceding week. The advance in prices of copper and zinc no doubt was a factor in bringing consumers into the market for larger tonnages. Quotations were easily maintained on the basis of 10½c. per pound, New York.

Demand from foreign buyers was good. Prices realized ranged from 9½c. to 10c., f.a.s. Gulf ports. The labor dispute at Chihuahua has been settled. A wage increase of 14% has been granted.

Zinc

The strong situation in zinc resulted in another advance in the price of Prime Western. The quotation of 10½c. per pound was maintained until early yesterday, when it became known that a producer raised the price one-half cent. A fair tonnage sold early in the day at the old level, which is reflected in our average of 10.725c. for April 19. Early in the afternoon it was doubtful whether metal was available anywhere below 11c.

Export business was moderate. Prime Western advanced yesterday to 10½c., f.a.s. Gulf ports, with the price nominal.

Consumption of slab zinc in the United States in December increased sharply to 70,326 tons, 21% above November, the Bureau of Mines reports. Galvanizers reported a gain of 45% in their use of zinc. Consumption of slab zinc in 1949 totaled 702,931 tons, of which

(Continued on page 5)

U. S. Copper Consumption — 1949

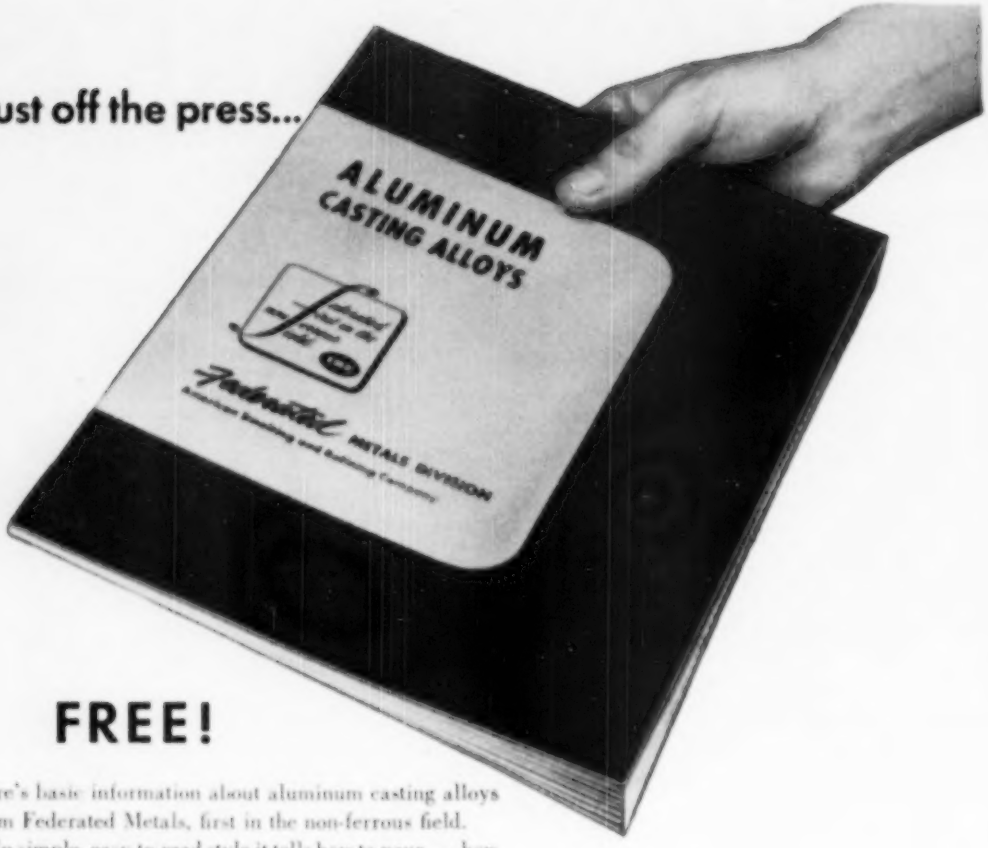
(Bureau of Mines)

Preliminary figures on consumption of refined copper in the United States during 1949, by shapes and major classifications, in tons:

	Brass Mills	Wire Mills	Misc.	Totals
Cathodes	65,839	5	272	66,119
Wire bars	45,053	621,539	.....	666,591
Ingots and ingot bars	76,923	18,230	624	95,777
Cakes and slabs	163,308	.....	51	163,359
Billets	109,721	.....	65	109,786
Other	119	.....	46	165
Totals	454,963	641,776	1,058	1,097,797

Note: Statistics do not include consumption by foundries, estimated to have consumed 25,000 tons of refined copper in 1949.

Just off the press...



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Here's basic information about aluminum casting alloys from Federated Metals, first in the non-ferrous field.

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METAL AND MINERAL
MARKETS

Weekly Market Information
Issued by the Publishers of
Engineering and Mining Journal
ALFRED M. STAEHLE, *Publisher*
R. W. DAVIS, *Sales Manager*
EVAN JUST, *Editorial Director*
H. H. WANGNER, *Market Editor*

E&MJ Metal and Mineral Markets is published each Thursday with a daily quotation for copper, lead, zinc, tin, and silver. Commodities that change price infrequently are quoted at weekly or monthly intervals, according to their importance. Official weekly and calendar weekly averages, also monthly averages, are published for copper, lead, zinc, tin, and silver in the United States market.

Lead, Zinc and Nickel in List Up for Tariff Cuts

The State Department, on April 13, issued a list of commodities on which tariff concessions may be considered to increase our imports and relieve the dollar shortage abroad. The list covers 2,500 items and includes lead, zinc, nickel, manganese (metal), and most ferro alloys. There was no mention of copper. The United States will negotiate with some 17 countries at meetings that will begin Sept. 28, 1950, at Torquay, England.

Protests may be made before May 10 by those opposing tariff concessions by writing to the chairman of the Committee for Reciprocity Information, Tariff Commission Building, Washington 25, D.C. Facts backing up claims should be in the hands of the Committee before May 17. Beginning May 24, public hearings will take place before the Committee for Reciprocity Information.

Hearings will be conducted under authority granted in the Reciprocal Trade Agreements Act, which gives the President power to reduce a duty in effect in 1945 by 50%.

The United States will consider tariff reductions with the United Kingdom, Canada, Western Germany, Austria, Belgium, Luxemburg, Netherlands, France, Norway, Turkey, Australia, New Zealand, Brazil, Peru, Guatemala, Korea, and South Africa.

Metal tariffs scheduled for review are:

Lead and base bullion, lead in pigs, bars, dross, reclaimed lead, scrap lead, antimonial lead, type metal, babbitt, solder, and all alloys or combinations of lead not specially provided for. Lead sheet and pipe, shot and wire. Lead-bearing ores, flue dust, and matte.

Zinc in blocks, slabs, pigs, and dust. Zinc-bearing ores of all kinds except pyrites containing not more than 3% zinc.

Nickel and alloys, except those provided for in paragraph 302 or 399, Tariff Act of 1930.

Manganese metal, ferromanganese, spiegeleisen, ferromolybdenum, molybdenum powder, calcium molybdate, ferrosilicon, chrome metal, ferrotitanium, ferrotitanium, ferroboron, boron, bismuth, calcium, strontium, thorium, titanium, iranium, vanadium, zirconium, pig iron, steel ingots, sheet steel and other steel products.

Cobalt oxide, salts and compounds.

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U.K. Copper Consumption

The United Kingdom consumed 40,080 long tons of copper during February, of which 25,506 tons was virgin and 14,574 tons was obtained from scrap, the British Bureau of Non-Ferrous Metal Statistics reports. Consumption in January was estimated at 41,973 tons, of which 25,086 tons was virgin and 16,887 tons scrap.

February's use of copper in unalloyed products amounted to 22,917 tons; in brass, etc., 16,200 tons; and in copper sulphate 963 tons.

Stocks of virgin copper in the United Kingdom on March 1 totaled 119,317 tons, against 105,132 tons a year ago.

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U.K. Lead Consumption

Lead consumption in the United Kingdom (primary and secondary) totaled 26,164 long tons in February, which compares with 27,940 tons in January. Of the total quantity consumed in February, 12,719 tons was imported virgin metal, 5,245 tons was English refined, and 8,200 was scrap and remelted.

Stocks of refined lead in the United Kingdom on March 1 totaled 64,123 tons, against 21,786 tons a year ago.

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U.K. Zinc Consumption

The United Kingdom consumed 26,910 long tons of zinc in February, against 27,264 tons in January. Virgin zinc accounted for 19,440 tons of the total consumed in February, the remainder consisting of scrap, including remelt.

Stocks of virgin slab zinc in the United Kingdom on March 1 totaled 48,210 tons, against 39,805 tons a year ago. Stocks of zinc contained in concentrates on March 1 amounted to 33,258 tons, against 13,011 tons a year ago.

Lead Consumption Gains

Consumption of lead (primary and secondary) in January totaled 76,337 tons, a 15% gain over December, according to the Bureau of Mines. Consumption figures for December and January, in tons, follows:

Metal Products	Dec. 1949	Jan. 1950
Ammunition	1,740	1,379
Bearing metals	1,709	2,162
Brass and bronze	1,142	1,257
Cable covering	6,820	10,336
Calking lead	2,425	2,853
Casting metals	1,665	776
Collapsible tubes	876	867
Foil	69	60
Pipes, traps, and bends	2,746	3,012
Sheet lead	1,765	2,135
Solder	4,823	5,397
Storage batteries (lead)	10,908	12,099
Storage batteries (oxides)	8,563	10,315
Terne metal	111	232
Type metal	1,362	1,202
Total	47,961	54,030
Pigments:		
White lead	1,369	1,329
Red lead and litharge	2,891	7,351
Pigment colors	961	979
Other	961	1,022
Total	6,122	10,681
Chemicals:		
Tetraethyl lead	7,796	8,139
Miscellaneous chemicals	760	598
Total	8,856	8,737
Miscellaneous Uses:		
Annealing	405	393
Galvanizing	60	195
Lead plating	43	64
Weights and tallies	285	283
Total	795	920
Other uses, unclassified	674	991
Total consumed	66,509	76,337

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Zinc Imports of U.S.

Imports of zinc ore (zinc content) and slab zinc during January and February, in tons, according to the Bureau of the Census:

Zinc ore (content)	Jan.	Feb.
Canada	4,625	6,480
Mexico	16,336	9,059
Bolivia	13	35
Peru	2,007	
Union of S. Africa	50	616
Australia		563
Other countries	18	10
Totals	23,107	16,363
Zinc, slabs, etc:		
Canada	6,337	11,521
Mexico	3,808	1,453
Peru		565
Norway	700	1,473
Totals	14,963	14,862
Drosses and skimmings		120
Old and scrap		9

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Canada's Nickel Output

Production of nickel in Canada, in terms of recoverable metal, amounted to 10,206 tons in January, which compares with 10,675 tons in December and 11,180 tons in January a year ago, the Dominion Bureau of Statistics reports.

E&MJ METAL AND MINERAL MARKETS, April 20, 1950, Vol. 21, No. 16. Published weekly by McGraw-Hill Publishing Company, Inc., 330 West 42nd St., New York 18, N. Y. James H. McGraw, (1860-1948), Founder. Curtis W. McGraw, President; Willard Chevalier, Executive Vice President; Joseph A. Gerardi, Secretary and Treasurer; Eugene Duffield, Senior Vice President, Publications Division; Nelson Bond, Vice President and Director of Advertising; J. E. Blackburn, Jr., Vice President and Director of Circulation. Price per copy, 25 cents (United States currency). Subscriptions in the United States and possessions $5 per year, $9 for 2 years, $13 for 3 years. Canada $10 per year, $16 for 2 years, $20 for 3 years. Pan-American countries $10 per year, $16 for 2 years, $20 for 3 years. Elsewhere $20 per year, $30 for 2 years, $40 for 3 years. Entered as second-class matter February 27, 1950, at the Post Office at New York, N. Y. under the Act of March 3, 1879. Send subscription communication to Director of Circulation.

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(Continued from page 1)

galvanizers absorbed 348,544 tons; brass and bronze products 84,257 tons; zinc-base alloys 197,287 tons; rolling mills 55,100 tons; and oxide plants and others 17,643 tons.

Tin

Tin prices moved around almost daily, fluctuating with the sharp variations in the Singapore and London markets. A paucity of offerings of nearby metal resulted in part from reduced shipments to this country earlier in the year. Straits quality tin for prompt delivery was quotable at 77c. per pound as the week ended, with June at 75¾c. and July at 75½c.

RFC allotments of tin during March totaled 2,915 long tons, against 200 tons in February and 100 tons in January. Stocks of tin in the hands of the RFC at the end of March totaled 23,396 tons, against 25,816 tons a month previous. The Texas smelter produced 2,729 tons of tin during March.

Standard tin on the London Metal Exchange, per long ton, was as follows:

	Standard Tin, First Session	
	Spot	3-Months
April 13	£589¾	£591¼
April 14	£590	£594
April 17	£587½	£590½
April 18	£589½	£591½
April 19	£590½	£591¼

Quotations on 99% tin (tin content) were: April 13th, 75½c.; 14th, 75½c.; 15th, 75½c.; 17th, 76½c.; 18th, 75½c.; 19th, 76c.

Quicksilver

Though imports of quicksilver continue at a good rate, the price situation has been remarkably steady. Dealers continue to quote the market on spot metal at $71 to $73 per flask.

Silver

The New York Official quotation for silver was unchanged throughout the week at 71¼c. an ounce troy.

London silver was quiet and unchanged at 63d. an ounce troy.

Mine output of recoverable silver in the United States in February amounted to 3,202,408 oz., which compares with 3,181,880 oz. in January and a monthly average of 2,840,833 oz. for all of 1949, the Bureau of Mines reports.

United States Gold Price

The price paid by the United States Treasury for gold purchased by the mints continued at $35 per troy ounce of fine gold, less ¼ of 1 percent.

Actual payment by the United States Treasury for gold in imported and domestic ore or concentrate is at 99.75 percent of the price quoted by the Treasury, which at present is equal to $34.9125 per ounce.

Foreign Exchange

Foreign currencies, in addition to the daily quotation on sterling checks given in the table on this page, were quoted on in terms of dollars as follows:

	Demand
Mexico (silver peso)	11.00c
Canada (dollar) (a)	99⅝c

(a) Selling basis, N. Y.

Sterling exchange futures, 60-day and 90-day, nominal.

London cables and checks quoted on even basis throughout week.

Official London Prices

The following delivered quotations have been fixed by the Ministry of Supply for the United Kingdom:

	Per Long Ton	
COPPER	£	s. d.
Electrolytic, high conductivity	153	0 0
Fire refined, high conductivity	153	0 0
Fire refined, high grade	152	10 0
Fire refined, min. 99.7 percent	152	0 0
Fire refined, min. 99.5 percent	151	10 0
Hot rolled black wire rods, English	162	11 3
LEAD:		
Soft, foreign duty paid	84	0 0
Soft, Empire	84	0 0
English, refined	85	0 0
ZINC:		
Foreign (G.o.b.) duty paid	91	10 0
Domestic (G.o.b.)	91	10 0
Prime Western and deboxed	91	10 0
Refined and electrolytic	92	5 0
Minimum 99.99 percent	93	15 0

DAILY PRICES OF METALS (*E & M J Quotations*)

April	Electrolytic Copper, Domestic Refinery	Electrolytic Copper, Export Refinery	Straits Tin, New York	Lead, New York	Lead, St. Louis	Zinc, East St. Louis
13	18.200	18.425	76.500	10.500	10.300	10.500
14	18.200	18.425	76.750	10.500	10.300	10.500
15	No Market	18.425	76.875	10.500	10.300	10.500
17	18.200	18.425	77.500	10.500	10.300	10.500
18	19.000	18.425	76.750	10.500	10.300	10.500
19	19.200	19.425	77.000	10.500	10.300	10.725
Average	18.560	18.592	76.896	10.500	10.300	10.558

Average prices for calendar week ended April 15 are: Domestic copper f.o.b. refinery, 18.200c.; export copper f.o.b. refinery 18.425c.; Straits tin, 76.478c.; New York lead, 10.500c.; St. Louis lead, 10.300c.; St. Louis zinc, 10.500c.; and silver 71.750c.

The above quotations are our appraisal of the major United States markets, based on sales reported by producers and agencies. They are reduced to the basis of cash, New York or St. Louis, as noted. All prices are in cents per pound.

Copper, lead and zinc quotations are based on sales for both prompt and future deliveries; tin quotations are for prompt delivery only.

In the trade, domestic copper prices are quoted on a delivered basis; that is, delivered at consumers' plants. As delivery charges vary with the destination, the figures shown above are net prices at refineries on the Atlantic seaboard. Delivered prices in New England average 0.300c. per pound above refinery basis.

Our export quotation for copper reflects prices obtaining in the open market and is based on sales in the foreign market reduced to the f.a.s. refinery equivalent. Atlantic seaboard, Gulf, f.a.s. transactions are deduct 0.075c. for lighterage, etc., to arrive at the f.a.s. refinery quotation.

Quotations for copper are for the ordinary forms of wirebars and ingot bars. For standard ingots an extra 0.0875c. per pound is charged; for slabs 0.225c. up, and for cakes 0.275c. up, depending on weight and dimensions; for billets an extra 1.65c. up, depending on dimensions and width. Cathodes in standard sizes are sold at a discount of 0.125c. to 0.15c. per pound.

Quotations for zinc are for ordinary Prime Western brands. Premiums obtaining over Prime Western zinc in the East St. Louis market on the following grades, in cents per pound: Selected 0.15c.; Brass Special 0.25c.; Intermediate, 0.5c.; High Grade zinc sold on contract, delivered in the East and Middle West, commands a premium of 1.15c. per pound over the East St. Louis basis for Prime Western; on Special High Grade the premium or differential is 1.25c. per pound.

Quotations for lead reflect prices obtained for common lead only. The differential on sales in the Chicago district is 10 points under New York; for New England add 7½ points to the New York basis. Corroding grade commands a premium over common lead of 15 points.

Silver, Gold, and Sterling Exchange

April	Sterling Exchange "Checks"	Silver, New York	Silver, London	Gold, London
13	$2.79⅝	71⅛	63d.	248s.
14	2.79⅝	71⅛	63d.	248s.
15	Not Quoted			
17	2.79⅝	71⅛	63d.	248s.
18	2.79⅝	71⅛	63d.	248s.
19	2.79⅝	71⅛	63d.	248s.

Average silver, 71.156c.; Sterling Exchange 279.750c.

The daily New York silver quotation reported by Handy & Harman is for silver contained in ores and other unrefined silver-bearing materials, in cents and one-eighth cent fractions per troy ounce. It is determined by Handy & Harman on the basis of actual sales of bar silver, 999 fine in amounts of 50,000 ounces or more for nearby delivery at New York, and is usually one-quarter cent below the price paid for such bar silver, this reduction being allowance for carrying, delivering and marketing. In addition to foreign silver, the quotations also apply to domestic and Treasury silver if such silver enters into the New York market.

The Treasury's purchase price of newly mined domestic silver was established at 90.5c. per troy ounce, 1000 fine, effective on July 1, 1946, under an amendment to the Silver Purchase Act of July 6, 1939.

London silver quotations are in pence per troy ounce, basis 999 fine.

London gold quotations are per troy ounce, basis 1000 fine.

Sterling quotations represent the demand market in the foreigner. For premium on cables see Foreign Exchange.

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Miscellaneous Metals

Quotations cover wholesale lots, f.o.b. New York, unless otherwise specified.

ALUMINUM—Per lb., base price, f.o.b. shipping point: 30 lb. ingot, 99% plus, 17c.; in pigs, 16c.

Base prices on aluminum ingot of higher purity: 99.75%, 17½c.; 99.8%, 18c.; 99.85%, 19c.; 99.9%, 20c.

ANTIMONY—Per lb., 99½% grade:

	Domestic, (a) Boxed, New York	Domestic, (b) Bulk, Laredo
April 13	27.780	24.500
April 14	27.780	24.500
April 15	27.780	24.500
April 17	27.780	24.500
April 18	27.780	24.500
April 19	27.780	24.500

(a) Boxed (224 lb.), 10,000 lb. or more but less than a carload, ex store, New York area. (b) In bulk, carload lots, f.o.b. Laredo, Texas, in cases one-half cent extra.

Chinese antimony—Per lb., min. 99%, in cases f.o.b. N. Y., duty paid 23c.

BISMUTH—Per lb., in ton lots, $2.00.

CADMIUM—Per lb. Commercial sticks, wholesale quantities, delivered:

April 13	$2.00
April 14	2.00
April 15	2.00
April 17	2.00
April 18	2.00
April 19	2.00

MAGNESIUM—Per lb., f.o.b. producer's plant, ingots (4x16 in.), 99.8 per cent, carload lots, 20½c.; 100 lb. or more, l.c.l., 22½c. Extruded sticks, carload lots, 27½c.; 100 lb. or more, l.c.l. 29½c.

NICKEL—Per lb., electrolytic cathodes, f.o.b. Port Colborne, Ont., contract price, 40c., U.S. import duty included. Nickel oxide sinter, 36½c. per lb. of nickel content, f.o.b. Copper Cliff.

PLATINUM — Per oz. troy, $86 on wholesale lots; $89 on sales to consumers.

QUICKSILVER — Per flask of 76 lb., $71@$73.

ZIRCONIUM — Per lb., powder, $7 to $8, according to quantity.

Quotations on other miscellaneous metals appeared in April 13 issue.

Metallic Ores

Prices in tons of 2,000 lbs., or in "units" of 20 lb., unless otherwise stated.

ANTIMONY ORE — Per unit of antimony contained, 50 to 55 percent, $2.30@$2.40; 58 to 60 percent, $2.50@$2.60; 60 to 65 percent, $2.60@$2.70. Quotations nominal.

CHROME ORE — Per long ton, dry basis, subject to penalties if guarantees are not met, f.o.b. cars New York, Philadelphia, Baltimore, Charleston, plus ocean freight differential for deliveries to Portland, Ore., and Tacoma, Wash.:

Indian and Rhodesian:
48% Cr_2O_3, 3 to 1 ratio, lumps ..... $35.00@$36.00
48% Cr_2O_3, 2.8 to 1 ratio $32.50
48% Cr_2O_3, no ratio $25.00
South African (Transvaal):
48% Cr_2O_3, no ratio $36.00
43% Cr_2O_3, no ratio ..... $17.30@$18.30
Turkish:
48% Cr_2O_3, 3 to 1 ratio ..... $37.50@$38.00
Brazilian:
44% Cr_2O_3, 2.5 to 1 ratio, lump ... (a) $31.00
Domestic, 48%, 3 to 1 ratio, $30 per ton, f.o.b. nearest shipping point. Nominal.

(a) Nominal.

MANGANESE ORE — On long-term contracts involving large tonnages prices wholly nominal and a matter for negotiation. Nearby business, basis 48% Mn, 79.8@81.8c. per long tons unit, c.i.f. U.S. ports (duty included).

TUNGSTEN ORE — Per short ton unit of WO_3, for ore of known good analysis: Chinese, duty paid, New York, $18.75@$19.25. Bolivian, Brazilian, etc., duty paid $18.75@$19.25. Domestic scheelite delivered to buyer's plant, $28.50, nominal.

Quotations on other ores appeared in April 13 issue.

Metallic Compounds

ARSENIOUS OXIDE (arsenic trioxide), refined, white minimum 99 percent — Per lb., 5½c., in barrels, carload lots, delivered.

COBALT OXIDE — Metallurgical grade, 72% Co, per lb. of Co contained, $1.95, f.o.b. Niagara Falls. Ceramic grade, 70 to 71% Co, per lb., $1.38 east of Mississippi; $1.404 west of Mississippi.

COPPER SULPHATE — Per lb., in carload lots, 7.35c., large or small crystals, f.o.b., N. Y.

Alloys

BERYLLIUM-COPPER—Master alloy, 4 percent beryllium, remainder copper, in lots 1 lb. or more of beryllium, $24.50 per lb. of contained Be.

FERROCHROMIUM — Per lb. of Cr: High carbon (4 to 9% C) 65 to 69% Cr, lump, carloads, delivered Eastern zone, 20.5c.

FERROCOLUMBIUM — Per lb. of Cb contained, 50@55 percent, $3.50.

FERROMANGANESE—Per gross ton, 78@82 percent, $172, seaboard.

FERROMOLYBDENUM, Etc.—Per lb. of Mo contained, f.o.b., shipping point: Ferromolybdenum, 55@65 percent Mo $1.13; calcium molybdate (CaO MoO_3), 96c.; molybdic trioxide (MoO_3), 94c.

FERROPHOSPHORUS—Per gross ton, 18 percent P, $58.50; electrolytic, 24 percent, $75, f.o.b. Alabama and Tennessee.

FERROSILICON—Per lb. of contained Si, Eastern zone: 50% grade, 11.3c.; 75% grade, 13.5c.

FERROTITANIUM—Per lb. of Ti contained, 20 to 25% max. 0.10% carbon, $1.40.

FERROTUNGSTEN — Per lb. of W contained, 75@80 percent W, $2.25@$2.35.

FERROVANADIUM — Per lb. of V contained, delivered, $2.90@$3.10.

SILICOMANGANESE — Per lb. carload lots, f.o.b. shipping point, freight allowed, maximum 1½% carbon, 8.6c.

SPIEGELEISEN — Per gross ton, 19 to 21 percent grade, $65, Palmerton, Pa.

ZIRCONIUM ALLOY — 12 to 15 percent Zr, 39 to 43 percent Si, 6.6c. per lb., bulk, carload lots; 35 to 40 percent Zr, 47 to 52 percent Si, 20.25c. per lb.

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Quotations on non-metallic minerals appeared in April 13 issue.

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Tri-State Concentrates

Joplin, Mo., April 15, 1950

Blende	
Prime coarse (jig and table, 60% zinc)	$61.00
Flotation, 60% zinc	$61.00
Galena	
Coarse and flotation, 80% lead	$126.07

Quotations for zinc concentrate in the Tri-State market continued at $61 per ton on both coarse and flotation.

Galena was unchanged at $126.07.

Aluminum Ingot in January

Production of aluminum ingot at secondary smelters in January rose to 13,391 tons, the largest monthly total since January 1949, the Bureau of Mines reports. Stocks of aluminum alloys at secondary smelters at the end of January totaled 13,033 tons, against 12,671 tons a month previous.

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Smelters' Copper Scrap Prices

Custom smelters' buying prices for copper scrap, carload lots, refinery:

No. 1 heavy copper and wire, 13½c.; No. 2 heavy copper and wire, 14½c.; Light copper, 13½c.; refinery brass, 14c.

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Dealers' Scrap Prices

Dealers' buying prices, f.o.b. New York or equivalent freight points, for wholesale quantities in cents per lb.

No. 1 copper wire	13½@14
Heavy copper & wire, mixed	12½@13
Light copper	11½@12
No. 1 composition	11½@11½
Composition turnings	10½@10½
Cocks and faucets	9@9½
Light brass	6½@6½
Yellow brass turnings, mix	6½@7
Heavy yellow brass, mixed	7@7½
Auto radiators, unsweated	8½@9
Brass pipe, cut	9½@9¾
Rod brass turnings, No. 1	9¼@9¾
Rod ends, brass	9¾@9¾
New soft brass clips	10½@10½
Cast aluminum, mixed	6¼@7
Aluminum pistons, clean	6¼@7
Aluminum crankcases	7½@7¾
Aluminum clips, new soft	9½@10
Sheet aluminum, old clean	7½@8
Duralumin clips, new	7½@8½
Aluminum turnings, clean	3½@4
Zinc die cast, mixed	3½@3½
Zinc die cast, new	4½@4½
Old zinc	4½@4½
New zinc clips	6½@6½
Soft or hard lead	8½@8½
Battery plates	4½@4½
Babbitt mixed	8½@8½
Linotype or stereotype	9½@9½
Electrotype	8½@8½
Solder joints close cut	10½@10½
Block tin pipe	60@62
No. 1 pewter	38@40
Autobearing babbitt	30@32
Monel clips, new	11@12
Monel sheet, clean	11@12
Monel turnings	7@8
Nickel clips, new	17@18
Nickel anodes, cast	17@18

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